

Grumman Corporation

CRITICAL ITEMS LIST

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GRUMMAN

ASSY NOMENCLATURE: MANIPULATOR FOOT RESTRAINT

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REPORT NO: DMS 87-84

REVISION: A

ASSEMBLY PART NO: 8ED 2040400

DATE: 17 MAY 1988

FMEA REF REV	NAME, QTY & DRAWING REF DESIGNATION	CRIT	FAILURE MODE AND CAUSE	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
B3	Vertical Stanchion Slaw Latch QTY (1) Dwg C95-122	2/2	B3 - Latch fails in opened position due to contamination or galling	<p>END ITEM Unable to close latch</p> <p>GFE INTERFACE None, since MFR will be jettisoned</p> <p>MISSION Loss of MFR; unable to accomplish subsequent mission objectives</p> <p>CREW/VEHICLE None</p>	<p>A. Design Materials per tables 1 & 2 of MSFC-SPEC-522A are certified for traceability/quality. Anodic hardcoating per MIL-A-8625C on aluminum interfaces with relative motion minimizes galling and wear. Contamination caused by corrosion by products eliminated by extensive use of thermal control coating and solid (Moly di-sulfide) lubricant coating.</p>

